Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A positioning and aiming assembly ~~for use~~ to be held in unfixed abutting contact with an x-ray source, comprising:

at least one aiming arm [[6]] (6) connectable to a holder [[8]] (8) for image data receiving means [[9]] (9); and

at least one handle ~~5, 5'~~ (5, 5'), said handle ~~5, 5'~~ (5, 5') including means for connecting it to said at least one aiming arm [[6]] (6).

2. (Currently Amended) An aiming assembly according to claim 1, wherein said assembly is a part of a system including an intra oral x-ray device which is to be positioned with respect to an intra oral image data receiving means [[9]] (9), which x-ray device [[1]] (1) includes an x-ray source being placed in a housing [[4]] (4), ~~said housing 4 preferably including or having means whereto an elongated x-ray collimator 41 and/or some other accessories may be attached, the~~ said at least one aiming arm [[6]] (6) being connectable to ~~the~~ said handle [[5]] (5) at, or at the proximity of ~~its first end~~ a first end of said at least one aiming arm (6), and to a holder [[8]] (8) for ~~the~~ said image data receiving means [[9]] (9), either directly or via a bite-block [[7]] (7), at ~~its~~ a second end of said at least one aiming arm (6).

3. (Currently Amended) An aiming assembly according to claim 2, wherein ~~the~~ said at least one handle ~~5, 5'~~ (5, 5') is connected to ~~the~~ said aiming arm [[6]] (6) via means ~~54, 55~~ (54, 55) by

which ~~it~~ said handle (5, 5') ~~may be released or moved~~ is structured and arranged to be moveable along ~~the~~ said aiming arm [[6]] (6).

4. (Currently Amended) An aiming assembly according to claim 3, wherein ~~the~~ said assembly includes means by which ~~the~~ said x-ray source ~~may~~ is structured and arranged to be brought repeatedly into at least one constant distance position and/or into known distance positions from ~~the~~ said image data receiving means (9).

5. (Currently Amended) An aiming assembly according to claim 4, which includes means whereby ~~the~~ said at least one handle ~~5, 5'~~ (5, 5') ~~may be connected~~ is structured and arranged to be connectable to at least one fixed position on ~~the~~ said aiming arm 6 and/or means whereby ~~the~~ said at least one handle ~~5, 5'~~ (5, 5') ~~may be moved~~ is structured and arranged to be moveable along ~~the~~ said aiming arm [[6]] (6), which includes indicia~~, such as a scale, showing the position of a handle 5 attached to it~~.

6. (Currently Amended) An aiming assembly according to claim 4, wherein there are arranged handle position indicia on ~~the~~ said x-ray ~~tube~~ source housing [[4]] (4) or on an accessory~~, such as a collimator 41,~~ attached thereto.

7. (Currently Amended) An assembly according to claim 4, wherein ~~the~~ said x-ray ~~tube~~ source housing [[4]] (4), or any ~~of the~~ parts fixed to ~~it~~ said housing (4), includes at least one connector or contact element for ~~the~~ said at least one handle ~~5, 5'~~ (5, 5').

8. (Currently Amended) An assembly according to claim 7, wherein ~~the~~ said connector or contact element is an integral part of an aiming ring ~~10~~ (10) connectable to an elongated collimator ~~41~~ (41), ~~in turn~~ said collimator (41) is connectable to ~~the~~ said x-ray ~~tube~~ source housing [[4]] (4).

9. (Currently Amended) An assembly according to claim 8, wherein ~~the~~ said aiming ring ~~10~~ (10) is ~~made~~ connectable to ~~the~~ said collimator ~~41~~ (41) in various orientations for supporting various imaging modes.

10. (Currently Amended) An assembly according to claim 9, wherein ~~the~~ said at least one handle ~~5, 5'~~ (5, 5') includes two connection means ~~54, 55~~ (54, 55) for ~~the~~ said at least one aiming arm 6~~, intended for horizontal and vertical orientations of the image data receiving means, correspondingly~~.

11. (Currently Amended) An assembly according to claim 9, wherein ~~the~~ said at least one handle ~~5, 5'~~ (5, 5') is provided with indicia ~~52, 53~~ (52, 53). ~~of which of the said connection means 54, 55 is designed for horizontal and which for vertical orientation of the image data receiving means 9~~.

12. (Currently Amended) A positioning and aiming assembly for use with an x-ray source, comprising:

an intra oral x-ray device (1) which is to be positioned with respect to an intra oral image data receiving means (9),

~~which~~ said x-ray device [[1]] (1) includes an x-ray source being placed in a housing [[4]] (4), ~~said housing 4 preferably including or having means whereto an elongated x-ray collimator 41 and/or some other accessories may be attached,~~

at least one aiming arm [[6]] (6) connectable to a holder [[8]] (8) for said image data receiving means [[9]] (9); and

at least one handle ~~5, 5'~~ (5, 5'), said at least one handle ~~5, 5'~~ (5, 5') including means for connecting ~~it~~ said handle (5, 5') to said at least one aiming arm [[6]] (6), and

a contact construction of said at least one handle (5, 5') which is able to create at least two contact points, at least one contact line and /or at least one contact surface with a surface of the x-ray source housing [[4]] (4), with that of ~~the~~ a collimator ~~41~~ (41) and/or with any other part attached to ~~the~~ said x-ray source.

13. (Currently Amended) An assembly according to claim 12, wherein ~~the~~ said contact construction of ~~a~~ said at least one handle ~~5, 5'~~ (5, 5') includes a curved surface ~~51~~ (51) with a curvature equal to that of ~~a~~ the surface of ~~the~~ said x-ray source housing (4), or ~~a~~ said collimator (41) or any other part attached thereto contacted by said contact construction.

14. (Currently Amended) An assembly according to claim 13, wherein ~~the~~ said curved surface ~~51~~ (51) is such that when brought into contact with ~~its~~ an intended counter surface, ~~they~~

said curved surface (51) and said intended counter surface form an area of an elongated rectangle in a direction perpendicular to that of ~~the~~ an x-ray beam produced by ~~the~~ said x-ray source.

15. (Currently Amended) An assembly according to claim 14, wherein ~~the~~ said contact construction of a handle ~~5, 5'~~ (5, 5') includes at least two pins ~~or the like~~, and ~~the~~ said x-ray source housing (4), or a part attached thereto, with corresponding ~~wholes~~ holes or recesses.

16. (Currently Amended) An assembly according to claim 15, wherein ~~the~~ said contact construction creates a three-point connection between said at least one handle ~~5, 5'~~ (5, 5') and ~~the~~ said x-ray source housing (4), or a part attached thereto.

17. (Currently Amended) An assembly according to claim 16, wherein there are attached two handles [[5]] (5, 5') to ~~the~~ said aiming arm [[6]] (6), at or about ~~at the proximity of the said~~ a second end of ~~it~~ said aiming arm (6).

18. (Currently Amended) An aiming assembly according to claim 12, wherein ~~the~~ said at least one handle ~~5, 5'~~ (5, 5') is connected to ~~the~~ said aiming arm [[6]] (6) via connection means ~~54, 55~~ (54, 55) by which ~~it~~ said at least one handle (5, 5') is ~~not fixed and may be~~ moved along ~~the~~ said aiming arm [[6]] (6).

19. (Currently Amended) An aiming assembly according to claim 18, wherein ~~the~~ said connection means ~~54, 55~~ (54, 55) include at least one hollow-through in ~~the~~ said at least one

handle ~~5, 5'~~ (5, 5') with appropriate dimension with respect to that of ~~the~~ said aiming arm [[6]] (6).

20. (Currently Amended) An aiming assembly according to claim 12, wherein ~~the~~ said assembly includes means by which ~~the~~ said x-ray source ~~may be~~ is brought repeatedly into at least one constant distance position and/or into known distance positions from ~~the~~ said image data receiving means (9).

21. (Currently Amended) An assembly according to claim 20, wherein ~~the~~ said x-ray ~~tube~~ source housing [[4]] (4), or any ~~of the~~ parts fixed to ~~it~~ said housing (4), includes at least one connector or contact element for ~~the~~ said at least one handle ~~5, 5'~~ (5, 5').

22. (Currently Amended) An assembly according to claim 21, wherein ~~the~~ said connector or contact element is an integral part of an aiming ring ~~10~~ (10) connectable to an elongated collimator ~~41~~ (41), ~~in turn~~ said collimator (41) is connectable to ~~the~~ said x-ray ~~tube~~ source housing [[4]] (4).

23. (Currently Amended) An assembly according to claim 22, wherein ~~the~~ said aiming ring ~~10~~ (10) is made connectable to ~~the~~ said collimator ~~41~~ (41) in various orientations for supporting various imaging modes.

24. (Currently Amended) An assembly according to claim 12, wherein ~~the~~ said at least one handle ~~5, 5'~~ (5, 5') includes two connection means ~~54, 55~~ (54, 55) for ~~the~~ said at least one aiming arm [[6]] (6).~~, intended for horizontal and vertical orientations of the image data receiving means, respectfully.~~

25. (Currently Amended) An assembly according to claim 12, wherein ~~the~~ said at least one handle ~~5, 5'~~ (5, 5') is provided with indicia ~~52, 53~~ (52, 53).~~ of which of the said connection means is designed for horizontal and which for vertical orientation of the image data receiving means 9.~~

26. (Currently Amended) A method for positioning and aiming an x-ray source with respect to a position of an intra oral image data receiving means, ~~where the~~ wherein said image data receiving means is attached to an aiming arm used as an aid in aiming the x-ray beam ~~to the~~ at said image data receiving means, wherein ~~the~~ said aiming arm is further equipped with at least one handle, ~~which~~ said handle is used as a gripping part in maneuvering ~~the~~ said aiming arm – ~~sensor holder assembly~~ and as a fixed or an adjustable reference element with respect to the distance from ~~it~~ said at least one handle to ~~the~~ said image data receiving means.

27. (Currently Amended) A method according to claim 26, wherein ~~the~~ said at least one handle is attached to ~~the~~ said aiming arm and is used to achieve a desired distance between said x-ray source [[–]] and said image data receiving means ~~distance~~ by using ~~the~~ said at least one handle as a reference point in positioning ~~the~~ said x-ray source for exposure.

28. (Currently Amended) A method according to claim 27, wherein the position of ~~the~~ said at least one handle on ~~the~~ said aiming arm is ~~not fixed and~~ adjusted by arranging a connection between ~~the two~~ said handle and said aiming arm such that ~~the~~ said handle ~~may be slid~~ is capable of sliding along ~~the~~ said aiming arm.

29. (Currently Amended) A method according to claim 28, wherein ~~the~~ said x-ray tube is positioned with respect to ~~the~~ said at least one handle by visually using a reference point on ~~the~~ said x-ray source housing or any part attached thereto~~, especially by bringing a contact or connection structure being part of the x-ray source housing or any part attached thereto into contact with the said at least one handle~~.

30. (Currently Amended) A method for positioning and aiming an x-ray source with respect to a position of an intra oral image data receiving means, ~~where the~~ wherein said image data receiving means is attached to an aiming arm used as an aid in aiming ~~the~~ an x-ray beam ~~to the~~ at said image data receiving means, wherein ~~the~~ said aiming arm is further equipped with a handle, ~~which~~ said handle is used as a gripping part in maneuvering ~~the~~ said aiming arm ~~sensor holder assembly~~ and as an aligning tool for aiming ~~the~~ said x-ray beam produced by ~~the~~ said x-ray source.

31. (Currently Amended) A method according to claim 30, wherein ~~the~~ said x-ray beam is aligned by bringing ~~the~~ said x-ray source into contact with a contact construction arranged in ~~the~~

said handle, which is able to create at least two contact points, at least one contact line and /or at least one contact surface with a surface of ~~the~~ said x-ray source housing, with that of ~~the~~ said collimator and/or with any other part attached to ~~the~~ said x-ray source.

32. (Currently Amended) A method according to claim 30, wherein ~~for the first~~ a desired positioning and aiming assembly containing a desired image data receiving means - sensor holder – aiming arm –assembly, ~~possibly also including a desired bite block,~~ is put together, after which ~~the~~ said image data receiving means is placed in a desired position inside a patient's mouth and ~~the~~ said x-ray beam is aligned and orientated by making ~~the~~ said contact between ~~the~~ said handle and its counter surface or element while keeping ~~the~~ a sensor stationary.

33. (Currently Amended) A method according to claim 30, wherein two handles are arranged on ~~the~~ said aiming arm.

34. (Currently Amended) A method according to claim 30, wherein ~~the~~ contact between ~~the~~ said handle and ~~the~~ said x-ray ~~device is releasable~~ source is fixed.

35. (Currently Amended) A method according to claim 30, wherein ~~the~~ contact is made between ~~the~~ said handle and the outer surface of ~~the~~ said collimator of ~~the~~ said x-ray source or between ~~the~~ said handle and an aiming ring of ~~the~~ said x-.ray source.